

P.W.

CONFIDENTIAL

Release Date 5-25-77



Webb Resources, Inc. NMAL SW/NE
Sec 8, T14N, R20E Navajo County #659 **659**

COUNTY Navajo AREA _____ LEASE NO. New Mexico & Az Land Co

WELL NAME Webb Resources, Inc ⁸⁻¹ NMAL # ~~_____~~

LOCATION SW/NE _____ SEC 8 TWP 14N RANGE 20E FOOTAGE 1981' FNL 1876' FEL

ELEV 5930 GR 5937 KB _____ SPUD DATE 4-15-76 STATUS DBA 5-4-76 TOTAL _____
COMP. DATE 5-25-76 DEPTH 3608

CONTRACTOR Webb Drilling Co.

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
_____	_____	_____	_____	<input checked="" type="checkbox"/>
_____	_____	_____	_____	DRILLED BY CABLE TOOL _____
_____	_____	_____	_____	PRODUCTIVE RESERVOIR _____
_____	_____	_____	_____	INITIAL PRODUCTION _____

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
Quaternary Surface				
Permian				
Coconino ss		8'		<u>SEE Geological Report</u>
Supai Fm		540'		
Ft. Apache Memb		1691'		
Porous Dol Devel		2041'		
Base		2098'		
Pennsylvanian				
Naco Fm		2770'?		
Mississippian		ABS?		
Devonian				
Martin Fm		3502'?		
Pre-Cambrian Granite		3600'		

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG <u>AM Stat</u>
<u>No Elec. logs</u>			SAMPLE DESCRP. _____
<u>PCEN</u>			SAMPLE NO. <u>1765</u>
			CORE ANALYSIS _____
			DSTs _____
<u>Mud Log</u>			

REMARKS additional 6 months confidentiality granted 422-76 APP. TO PLUG
PLUGGING REP.
COMP. REPORT

WATER WELL ACCEPTED BY _____

BOND CO. USF&G BOND NO. 19-0130-2102-75
DATE _____ ORGANIZATION REPORT
BOND AMT. \$ 25,000 CANCELLED _____
FILING RECEIPT 0637 LOC. PLAT WELL BOOK PLAT BOOK
API NO. 02-01720016 DATE ISSUED 4-12-76 DEDICATION S/2 NE/4

PERMIT NUMBER 659 **CONFIDENTIAL**
revised 11/11/76 (over) Release Date _____

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir Oil Gas Dry

DESCRIPTION OF WELL AND LEASE

Operator: Webb Resources, Inc. Address: 2200 First of Denver Plaza, Denver, Colo

Federal, State or Indian Lease Number or name of lessor if fee lease: NMAL Well Number: #8-1 Field & Reservoir: Wildcat

Location: SW NE Sec. 8-14N-20E County: Navajo

Sec. TWP-range or Block & Survey: 1981' FNL & 1876' FEL Sec. 8-14N-20E

Date spudded: 4-15-76 Date total depth reached: 4-28-76 Date completed, ready to produce: P&A 5-4-76 Elevation (DF, HCB, RT or Gr.): 5930' G.L. feet Elevation of casing hd. Range: feet

Total depth: 3608' P.B.T.D.: --- Single, dual or triple completion? --- If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion: na Rotary tools used (interval): 0-3608' Cable tools used (interval): ---

Was this well directionally drilled? no Was directional survey made? no Was copy of directional survey filed? no Date filed: ---

Type of electrical or other logs run (check logs filed with the commission): None due to stuck washpipe, drillpipe & collars Date filed: ---

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
surface	9-7/8"	7"	20#	511'	200	none

TUBING RECORD

LINER RECORD

Size in.	Depth ft.	Plugs:	ft.	Sacks cement	Screen (ft.)
		1840-1970' 25 sxs			
		504- 554' 25 sxs			
		top surface 5 sxs			
		casing			

INITIAL PRODUCTION

Date of first production: --- Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): ---

Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)
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Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio
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Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the.....Chief Geologist.....of the Webb Resources, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date: May 25, 1976 Signature: *William A. Falconer* William A. Falconer

RECEIVED

JUN 01 1976

Permit No. 659 O & G CONS. COMM.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. 4 File One Copy

PLUGGING RECORD

Operator Webb Resources, Inc.		Address 2200 1st of Denver Plaza, Denver, Colo 80202		
Federal, State, or Indian Lease Number, or lessor's name if fee lease. NMAL		Well No. 8-1	Field & Reservoir Wildcat	
Location of Well SW NE Sec. 8-14N-20E (1981' FNL & 1876' FEL)		Sec-Twp-Rge or Block & Survey		County Navajo
Application to drill this well was filed in name of Webb Resources, Inc.	Has this well ever produced oil or gas no	Character of well at completion (initial production): Oil (bbbls/day) Gas (MCF/day)		Dry? yes
Date plugged: May 4, 1976	Total depth 3608'	Amount well producing when plugged: Oil (bbbls/day) Gas (MCF/day)		Water (bbbls/day)
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging		Fluid content of each formation		Depth interval of each formation
none		water		1840-1970'
				504 - 554'
				Top Surface Casing
				5 sxs

CASING RECORD

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
7"	504'	none	504'	na	na
Was well filled with mud-laden fluid, according to regulations?			Indicate deepest formation containing fresh water.		

NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

Name	Address	Direction from this well:
New Mexico-Arizona Land Company	4350 East Camelback Road Phoenix, Arizona 85108	

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

Use reverse side for additional detail.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Chief Geologist of the Webb Resources, Inc. (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date

May 6, 1976

Signature

W. A. T. [Signature]

Permit No. 659

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Plugging Record
File One Copy

Form No. 10

APPLICATION TO ABANDON AND PLUG

FIELD Wildcat

OPERATOR Webb Resources, Inc. ADDRESS 2200 First of Denver Plaza
Denver, Colorado 80202

Federal, State, or Indian Lease Number
or Lessor's Name if Fee Lease NMAL WELL NO. 8-1

LOCATION SW NE Sec. 8-14N-20E (1981' FNL & 1876' FEL)

TYPE OF WELL DRY HOLE TOTAL DEPTH 3608'
(Oil, Gas or Dry Hole)

ALLOWABLE (If Assigned) _____

LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)
GAS _____ (MCF) DATE OF TEST _____

PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD.

Ran 17 jts used 7" 20# casing (504') cemented at 511' KB w/ 200 sxs regular class "B" w/3% cc. Plug down at 9:30 A.M. 4-18-76

2. FULL DETAILS OF PROPOSED PLAN OF WORK

- Plan to set the following plugs:
- #1 1840-1970' 25 sxs
 - #2 504- 554' 25 sxs
 - #3 top surf. 5 sxs w/ DH marker
csg.

DATE COMMENCING OPERATIONS May 4, 1976

NAME OF PERSON DOING WORK Halliburton ADDRESS _____

Signature Wm A. Talcom

Title Chief Geologist - Webb Resources, Inc.

Address 2200 First of Denver Plaza Denver, Colorado 80202

Date May 4, 1976

Date Approved 10-20-76

**STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION**

By: [Signature]

**STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION**

Application to Abandon and Plug
File Two Copies

Form No. 9

Permit No. 659

RECEIVED

DEC 6 1976

D & G CONS. COMM.

GEOLOGICAL REPORT

Webb Resources No. 8-1 New Mexico & Arizona Land Company
SW NE Section 8-T14N-R20E
Navajo County, Arizona

May, 1976

Prepared by: Warren E. Carr
P. O. Box 32436
Oklahoma City, OK 73132

Q-59.

DRILLING SUMMARY

Location: 1981' FNL, 1876' FEL Section 8-T14N-R20E
Elevation: 5930 Ground Total Depth: 3608' Driller
5937 KB
All Measurements from Kelly Bushing
Spud: 4-16-76 Complete: 5-4-76 D & A
Drillstem Tests: None Cores: None
Sample/Gas Detector Shows:

No stain, odor or fluorescence in sampls,
approximately 1 unit CO₂, trace methane
2841-2972

<u>Formation Tops:</u>	<u>Sp1/Drlg Time</u>	<u>Datum</u>
Quaternary Surface		+5937
Permian		
Coconino Sandstone	8'	+5929
Supai Formation	540'	+5337
Ft. Apache Member	1691'	+4246
Porous Dol Devel	2041'	+3896
Base	2098'	+3839
Pennsylvanian		
Naco Formation	2770'?	+3167
Mississippian		
Devonian	ABS ?	
Martin Formation	3502'?	+2435
Pre-Cambrian Granite	3600'	+2337

Hole Design: Drill 9-7/8" home to 515'; ran 17 joints 7" casing, set @ 511' (KB), cemented with 200 sx reg, 3% cc, circulated, plug down 9:30 P.M. 4-18-76; drilled 6 1/2" hole to total depth.

Lost Circulation: Losing fluid from 550, lost circ @ 556, regained after 3 1/2 hours; lost returns @ 2428', regained, drilled 1 foot, lost circ, regained after 8 hours. Stuck drill pipe after reaching while changing out Kelly, backed off, twisted off washover pipe. Unable to recover fish, P & A

Drilling Time: See Mud Log

Sample Description, Bit Record: See Appendix

GEOLOGY

Structure

Coconino top, probably slightly eroded, was found eight feet below surface, datum +5929. This is 169 feet high to a similarly eroded Coconino top in the old Adamana well in SW SE Section 4-T14N-R20E. Inasmuch as the no. 8-1 NMALC was expected to occupy an axial position on the Holbrook Arch complex, this relative point seems normal to surface interpretation. Another correlative point probably occurs at 2150' in the Adamana well, comparing with 2041' in the No. 8-1 NMALC. This would indicate positive structural relief of 181' with respect to the older well. Deeper comparisons support the condition of insignificant thickness changes due to structural influence. Though the Adamana test did not penetrate basement, it is suggested that its undrilled sedimentary section would resemble that found in the No. 8-1. Referring to regional isopach maps, it appears that probable both locations are positioned on a local "high" (on lower Paleozoic beds) rather than on regional elevation. South dip component is clearly expressed by surface beds exposed less than a mile south of this location.

Stratigraphy

Triassic

Moenkopi: There is evidently a very thin remnant of lower Moenkopi at the surface, though this could be a reddish-brown soil developed on an eroded Coconino Sandstone surface. Aside from microscopic examination, no effort was made to determine age of surface or near-surface sediments.

Permian

Coconino: Consolidated sandstone was found 8' below surface and occasioned some problems in drilling rat hole and upper part of surface penetration where lack of string weight was a factor. Including a transitional zone between Coconino and underlying Supai, thickness of the unit is 532'. Character of Coconino in this test is typical of surface and subsurface occurrences; i.e., light colored sandstone, very fine to fine grained, firmly cemented though obviously porous and permeable through most of the section. Coconino-Supai transition becomes darker in color, predominately salmon to reddish-brown, occasionally grading to clayey siltstone of Supai type. In lower part of the transition zone, below surface casing point, traces of fresh pink granite were observed in cuttings. Such continued well into Supai. Reasoning to account for presence of granite here is beyond scope of this report, yet the occurrence could be significant in geologic analysis of sedimentary events during this period.

Supai: Reddishbrown clayey siltstone comprises uppermost Supai, though having a few inclusions of gypsum and the curious traces of granite described above. First bedded evaporites are illustrated

by massive anhydrite, topped at 690', and since the fresh water mud system was allowed to saturate naturally with respect to penetrated salt beds, halite was not observed until reaching 1280'. Carbonates first appeared at 1015', and from 1040 to 1080 a trace to fair porosity was seen in cuttings. Other limestone and/or dolomite beds occur at 1530-60, 1691-1775 and 2041-2099. While porosity was evident in parts of each interval, no staining, fluorescence or gas shows were observed. Dolomite from 1691 to 1775 is believed to be equivalent to outcrop position of the Ft. Apache member of Supai, though if this is the case, the dolomite below 2000' would be carbonate development of restricted areal extent. Present in the Lockhart Well in Section 33-T14N-R22E, as well as in the Adamana test and No. 8-1 NMALC, this unit exhibits excellent reservoir characteristics. Consequently, it is proposed that the interval should be considered a primary objective on the Holbrook Arch.

Pennsylvanian

Naco Formation: Top of Naco is arbitrarily picked at 2770, though presence of limestone in the 2750-60 sample might allow calling top at 2747. The formation is typical of regional encounters; alternating beds of gray limestone, medium to dark reddish-brown calcareous claystone and occasionally dolomitic limestone were penetrated. None of the carbonate beds was visually porous, and clastics were found to be mostly very fine grained with little, if any, effective porosity. Only the slight show of methane and CO₂, from 2841 to 2972, indicated that reservoir conditions might exist in the immediate area.

Mississippian

Redwall Limestone: Is apparently missing in this test.

Devonian

Martin Formation: Probably exists in the form of interbedded shale, limestone and dolomite. Top is called at 3502, samples showing a component of dark greenish-gray shale which is blocky and micaceous. Though some porosity was logged from 3525 to 3555 and near the bottom of the sedimentary section (in 3602 circulated sample), no shows were found.

Pre-Cambrian

Basement evidently is fresh granite, though some weathered feldspar is present in cuttings. Thus, it is indicated that Paleozoic sedimentary beds in this test lie on older Pre-Cambrian.

CONCLUSIONS

- 1.) Principal zone of continuing interest is the porous dolomite (Permian?) from 2041-2098. This unit appears to be stratigraphically lower than outcrop and previous subsurface designations for the Ft. Apache Member of Supai. Equivalent and probably similar beds were found in the Adamana test in Section 4-T14N-R20E, and in the Lockhart well in Section 33-T14N-R20E. With its apparently limited areal extent and with excellent reservoir characteristics indicated in the No. 8-1,

the dolomite could be found with stratigraphic and/or structural trapping conditions in the vicinity.

- 2.) Structural configuration at shallow depths is as expected, yet there is suggestion of local thinning (absence of Mississippian and somewhat thinner Devonian than anticipated). The magnetic anomaly in this area may reflect extent of the feature.
- 3.) Other than the dolomite noted above, there are no apparent zones of interest. Porosity appears to be almost non-existent in Naco, and while such was noted in Martin Formation, it is judged to be minimal.

Warren E. Carr
Warren E. Carr, Geologist
May, 1976

Webb Resources No. 8-1 NMALC
SW NE Section 8-T14N-R20E
Navajo County, Arizona

SAMPLE DESCRIPTION

0-10 Sh-sts med-dk reddish bn mic clayey, minor ss R-B occ wh,
fg, mg, clayey in pt mic, few lg qtz grains
10-20 AA, tr gyp
20-30 same
30-40 sts lt-med red-bn lt cly cem rare gdg to pink mic ss
40-50 same
50-60 AA, bcm lighter in color, sli incr grain size
60-70 ss wh-lt tan vfg-fg-mg, few free lg qtz grains, pyr common
70-80 ss AA & lt-med R-B clayey
80-90 AA, gyp common
90-00 ss pred wh fg-mg fri porous, minor R-B clayey AA
100-10 same
10-20 poor spl
20-30 " "
30-40 uncon sd wh-clr pred vfg-fg
40-50 pred uncon sd AA sli redsh in color
50-60 same
60-70 sd pred uncon, wh vfg-fg-occ mg
70-80 same
80-90 AA, rare mg
90-00 AA, bcm pred vfg
200-10 same
10-20 same
20-30 AA, cleaner, sli incr grain size
30-40 AA, decr grain size
40-50 same
50-60 ss wh vfg wh cly cem
60-70 same
70-80 ss AA & uncon wh sd vfg
80-90 ss AA
90-00 same
300-10 same
10-20 same
20-30 AA, tr pyr
30-40 ss wh sli incr grain size
40-50 same
50-60 same
60-70 AA, decr grain size
70-80 same
80-90 same
90-00 same
400-10 same
10-20 same
20-30 poor spl
30-40 same

440-50 same
 50-60 same
 60-70 same
 70-80 same
 80-90 AA, incr clayey
 90-00 AA, " " sli darker in color
 500-10 sd uncon wh-clr pred mg, pred R-SR
 515 Circ 15 uncon sd bcm vfg
 510-20 sd-slt uncon vfg, salmon much cement in spl
 20-30 uncon vfg sd AA
 30-40 AA, tr pk granite in spl
 40-50 AA, much cem contam in spl
 50-60 sts med R-B v clayey
 60-70 sts AA occ sdy
 70-80 AA, tr granite in spl
 80-90 AA, " " " "
 90-00 " " " " " , still some cem contam
 600-20 sts AA, incr clayey
 20-40 poor spl, prob AA, much cem, pink granite common
 40-60 clayey sts AA, tr granite
 60-80 clystn med R-B in pt sty, gyp common tr wh vfg ss
 80-00 AA, tr granite
 700-20 gyp-anh & clystn AA
 20-40 gyp-anh & ls gy foss (10), tr granite in spl
 40-60 gyp-anh w/sm intb R-B sty clystn
 60-80 poor spl sm dk gy sh, cem contam
 80-00 " " , pred cem
 800-20 poor spl tr dk gy dnse argil ls
 20-40 sts R-B, sm typ-anh, tr lt-med gy dnse ls, tr granite, abdt LCM
 40-60 essentially LCM
 60-80 prob anh-gyp
 80-00 anh-gyp w/intbds sty R-B clystn
 900-20 same

Note: Reasonably confident that halite beds are present in this part of section. Samples probably not representative.

20-40 anh-gyp, dried spls indicate halite
 40-60 no definitive interpretation
 60-80 same, spl mostly sli sty clystn & anh-gyp
 80-00 AA, still tr cem contam
 1000-20 anh wh-lt gy-tan, tr lt bn suc dol intmx w/anh
 20-40 " " " " " w/thin intbds such & dnse dol no vis poro
 still sm cement in spl poss stn in dol? no fluo
 40-60 dol tan-bn argil w/tr-fair ix & vug poro, tr pk granite
 60-80 anh-gyp AA & dol w/tr poro, some cem in spl
 80-00 same
 1100-20 anh-gyp prob intb w/sty R-B clystn, tr bn argil dol
 20-40 v poor spl, AA tr halite
 40-60 same
 60-80 same

1180-00 AA, tr weathered feldspar
 1200-20 Anh-gyp gy wh vfx intb w/lt-med R-B sty clystn tr gy fg ss
 w/ wh clay cem
 20-40 incr anh-gyp tr bn fx dol, sli incr ss-cleaner
 40-60 AA, no vis dol
 60-80 anh-gyp wh-lt gy vfx, prob thin intbds or inclc sty R-B clystn
 80-00 AA, tr halite
 1300-20 AA, no vis halite, tr pink granite
 20-40 AA, tr lt bn-tan vfx dol no vis poro
 40-60 same
 60-80 AA, tr halite
 80-00 AA, no vis halite
 1400-20 pred anh-gyp, pred gy dnse-fx, 5% clear halite
 20-40 AA, sli incr halite
 40-60 same?
 60-80 incr R-B sty clystn, incr halite
 80-00 same
 1500-20 same
 20-40 AA, sli incr halite (tr)
 40-60 AA & dol med-dk gy argil dnse-vfx foss (25) no vis poro
 60-80 incr anh-gyp (60) dol (5) tr vuggy poro
 80-00 anh-gyp AA (60) R-B sty clystn (40) tr dol, tr dk gy calc sh
 1600-20 " " (70) tr pink granite
 20-40 " " (30) pred med R-B sli sty clystn, tr halite, tr
 med gy argil dol
 40-60 tr anh-gyp AA, clystn AA (100) tr halite
 60-80 same
 80-00 anh lt-med gy dnse-vfx
 1600-20 dol, lt-med gy bnish occ w/good ix and vuggy poro Ft Apache?
 sm anh
 20-30 AA decr poro
 30-40 dol AA & incr argil, in pt V sty, no vis poro, abdt anh
 40-50 ls med-dk gy argil, sty, dnse-fx rarely sdy no vis poro
 50-60 AA, tr-fair pp ix poro, tr wh mg ss
 60-70 AA, rare vis poro
 70-80 ls AA & dk bn fx-mx w/tr poro, incr anh-gyp (20)
 80-90 pred sty clystn R-B mic, tr halite
 90-00 anh-gyp (50) & clystn AA (50)
 1800-10 decr anh-gyp (30) tr dk gy fx ls
 10-20 anh-gyp (10) tr dk gy-blk mic sh, tr halite
 20-30 same
 30-40 anh-gyp (50) rare med gy ls
 40-50 anh-gyp (70)
 50-60 AA tr wh vfg ss
 60-70 AA abdt halite (20)
 70-80 pred med R-B sty clystn (90) abdt gyp (10), tr halite
 80-90 same
 90-00 AA, incr halite (20) v poor spl
 1900-10 good spl, R-B sty clystn AA (80) halite (15) anh lt gy dnse-
 vfx (5) tr lt gnish gy sts
 10-20 same

1920-30 same
 30-40 sty clystn R-B, very little halite in spl but cuttings appear to have contained salt as incls
 40-50 AA, incr halite (30)
 50-60 same
 60-70 AA, sm gyp & anh
 70-80 AA, decr halite, incr anh
 80-90 same
 90-00 same
 2000-20 sty clystn med R-B, tr halite, tr anh-gyp
 20-40 same
 40-60 AA, tr tan-lt bn suc dol
 60-80 dol wh-lt gy-tan-lt bn suc occ argil good intgr poro, sm anh incls
 80-00 dol, pred lt bn in pt such probable fair good poro sli incr anh & gyp
 2100-30 dol incr dnse, argil, anhic, decr poro, tr halite sm med-dk R-B sty clystn
 30-60 dol pred dnse (10), med-dk R-B sty clystn (80) clear halite (10), abdt selenite
 60-90 dol, pred med-dk gy argil, rare lt bn suc porous (10), med-dk R-B sty clystn, (80) gyp clr (selenite) & anh (5) halite (5) tr med-dk gy mic sh
 90-20 tr dol AA, pred clystn AA, abdt (10) anh & gyp, tr halite
 2220-50 same
 50-80 sty clystn AA, tr anh-gyp
 80-10 same, prob intbds halite, none visible in spl
 2310-40 same
 40-70 AA, prob decr in halite, tr dk gy mtld anh
 70-90 sty clystn AA, tr gnish gy occ mic sh, tr anh & gyp
 90-10 same
 2410-30 pred dk occ sty clystn w/few anh-gyp incls, rare sdy
 30-50 AA, incr gyp
 50-60 same
 60-70 med-dk R-B sty calc clystn, tr gyp, tr clyey ss
 70-80 poor spl, prob clystn
 80-90 " " " "
 90-00 same
 2500-10 clystn pred dk R-B calc occ sty, tr med gnish gy clystn
 10-20 same
 20-30 same
 30-40 same
 40-50 same
 50-60 same
 60-70 same
 70-80 clystn calc AA & ls, R-B dnse clayey (20)
 80-90 clystn pred dk R-B calc, abdt gyp
 90-00 poor spl, prob AA
 2600-10 AA, poss incr calc
 10-20 same
 20-30 same

2630-40 AA, & incr med R-B, sm lt gnish gy (10) non calc
 40-50 clystn pred dk R-B, sm med R-B sty calc tr lt gy mg-lg ss, tr
 gyp-anh
 50-60 AA, incr gyp
 60-70 same
 70-80 same
 80-90 same
 90-00 same
 2700-10 v poor spl prob AA but poss incr clayey
 10-20 same
 20-30 same
 30-40 poor spl, apparent decr gyp
 40-50 AA, incr gyp
 50-60 clystn AA & ls (10) med-dk gy, in pt V argil, dnse-vfx
 consid gyp
 60-70 AA, decr ls (tr)
 70-80 pred dk R-B vv calc clystn, tr ls AA, tr dk gy calc sh,
 gyp common
 80-90 clystn AA (80) ls AA incr xln (20)
 90-00 clystn AA (50) clystn med R-B sty sli calc (30) ls-dol med-dk
 gy pred v argil, dnse-rare fx (20) sm gyp
 2800-10 same
 10-20 AA, incr dolic ls (25)
 20-30 same
 30-40 dolic, argil ls AA (40) clystn dk R-B & med R-B AA (60)
 tr pyr, gyp com-abdt
 40-50 same
 50-60 ls AA & tr dk gy w/carb incls, few intbds clystn AA
 60-70 incr intbds clystn (60)
 70-80 poor spl prob intb ls & clystn AA
 80-90 " " , considerable halite
 90-00 " " , interp med R-B sty clystn, tr ls AA, tr lt gy sts
 gdy to ss
 2900-10 pred med R-B sty calc clystn, occ dk R-B, gyp common
 10-20 clystn AA w/intb med-dk gy dnse ls, gyp common
 20-30 AA, ls occ R-B v argil
 30-40 AA, decr ls
 40-50 same
 50-60 AA, incr ls (20)
 60-70 same
 70-80 AA, sm foss ls
 80-90 AA, few pieces clear halite
 90-00 AA, no vis halite
 3000-10 clystn dk R-B v calc, little med R-B sty calc clystn, tr ls
 AA, tr gyp
 10-20 pred dk R-B clystn AA w/thin intbds ls AA, tr med gy calc sh
 20-30 clystn AA, tr ls AA, tr gyp
 30-40 same
 40-50 same
 50-60 pred dk R-B clystn AA, sm med R-B sty, ls tan, gy, R-B
 mostly argil (20)

3060-70 poor spl prob clystn AA, abdt gyp
 70-80 " " " " " " " "
 80-90 med & dk R-B calc clystn, abdt typ-anh, tr varic ls
 90-00 AA, tr med gy sh, soft sub waxy
 3100-10 dk R-B calc clystn, med R-B pred sty calc clystn, ls (5)
 lt-med dk gy, lav mostly dnse sm vfx, tr med gy sub wxy sh,
 tr wh sts, tr wh mg ss, typ com
 10-20 AA, sli incr ls (10), few pieces clear halite, gyp com
 20-30 same
 30-40 clystn pred med R-B decr sty, decr ls, abdt gyp, rare halite
 40-50 same
 50-60 AA, decr gyp
 3165 circ 20 AA
 Circ 40 sli incr lt gy dnse ls (5)
 3165-70 ls (20) tr gy-lg clayey ss, much of spl appear recirculated
 70-80 poor spl prob mostly clystn, few pieces resemble weathered
 feldspar (xl twins)-may be gyp
 80-90 poor spl, much anh-gyp
 90-00 clystn AA & ls lt gy dnse, dolic, anhic (30) sm v calc dk gy sh
 3200-10 AA decr ls, consid med gy calc sh
 10-20 incr ls in pt v argil (40)
 20-30 ls pred lt gy dnse, sm dk gy argil (30) clystn pred lt-med
 R-B sty calc (70), tr gyp
 30-40 ls AA (50) clystn AA (50)
 40-50 same
 50-60 ls AA (10) clystn AA & dk R-B calc (90), abdt gyp
 60-70 " " (40) " " (60), gyp common
 70-80 " " (80) " " (20) " tr
 80-90 " " (5) " " (95) " common
 90-00 " " (10) " " (90) " tr
 3300-10 " " (40) " " (60) " "
 10-20 same " " " "
 20-30 ls AA (20) " " (80) " "
 30-40 " " (50) " " (50) " "
 40-50 " ", v rare pp poro (80) clystn AA (20), tr gyp
 50-60 AA, no vis poro
 60-70 ls AA (20), clystn AA (80) tr wh clayey sts
 70-80 ls med-dk gy dnse-vfx, in pt v argil (60) clystn AA (40)
 tr gyp
 80-90 ls AA (90), clystn AA (10) tr gyp
 90-00 " " (20) " " (80) gyp common
 3400-10 same
 10-20 tr ls AA, abdt gyp
 20-30 same
 30-40 same
 40-50 poor spl pred dk bnish gy material-resembles vesic basalt
 but v light weight
 50-60 poor spl prob med R-B sty clystn, sm halite in spl
 60-70 same
 70-80 same
 80-90 ls med-dk gy dnse in pt argil (60) clystn pred med R-B
 sty sli calc (40)

3490-00 ls AA (10) clystn AA (90), tr gyp
 3500-10 : : (20) " " (80) " "
 10-20 AA, tr sh dk gnish gy blk mic
 20-30 poor spl, sm ls AA, tr dk gnish gy sh AA, pred med
 R-B sty calc clystn AA
 30-40 ls AA & lt gy fx w/tr vuggy poro (15) tr gyp, tr gnish
 gy sh
 40-50 same
 50-60 ls AA & tan suc dol (30) clystn AA (70), tr gyp
 60-70 decr ls (10)
 70-80 AA, tr med gnish gy wxy sh
 80-90 decr ls (tr) gnish gy wxy sh AA
 90-00 dol med-dk gy, tan, argil, dnse-vfx (30), tr gnish gy wxy
 sh AA

3602 circ 20 dol AA & lt tan vfx tr poro (40) lt-med gy sh sli
 calc (20) R-B clystn AA (40) tr gyp

circ 40 pred R-B clystn, abdt gyp, tr dk gn dol w/tr poro
 tr wh-gy fg ss 1 piece rose qtz angular, poss
 weathered feldspar

3608 circ 15 AA, tr pink granite, tr weathered feldspar, tr wh-
 clear quartz w/mica incl

circ 20 AA, 1 piece granite

BIT AND DEVIATION RECORD

<u>NO.</u>	<u>SIZE</u>	<u>TYPE</u>	<u>DEPTH OUT</u>	<u>FOOTAGE</u>	<u>HOURS</u>	<u>DEVIATION</u>
1	9 7/8	OSCIG	113'	113'	12	1/2
2	9 7/8	OSCIG	250'	137'	15	
3	9 7/8	OSCIGS	250'	82'	7	
1	6 1/4	OSCIGJ	1164'	649'	18 1/4	1/4
2	6 1/4	DGJ	1664'	500'	17 1/4	
3	6 1/4	S4S	1984'	320'	17 1/4	1/4
4	6 1/4	OSCIGJ	2470'	486'	14 1/4	1/2
5	6 1/4	OSCIGJ	2690'	220'	14 3/4	1/2
6	6 1/4	OSCIGJ	2950'	260'	17 3/4	1/4
7	6 1/4	DGJ	3165'	215'	17 1/2	3/4
8	6 1/4	S4J	3445'	280'	17 1/2	1/2
9	6 1/4	S4J	3602'	157'	12 1/2	3/4
10	6 1/4	VZJ		6'	1/2	

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Webb Resources, Inc.

2. Oil Well GAS Well OTHER (Specify) _____

3. Well Name #8-1 NMAL

Location SW NE Sec. 8-14N-20E (1981' FNL & 1876' FEL)

Sec. 8 Twp. 14N Rge. 20E County Navajo Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease
New Mexico-Arizona Land Company

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:				
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	(OTHER) _____	<input type="checkbox"/>	ABANDONMENT	<input type="checkbox"/>
(OTHER) _____	<input type="checkbox"/>			PROGRESS REPORT	<input checked="" type="checkbox"/>		

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

5-1-76 3608' washing over stuck pipe @ 2092'

5-2-76 3608' fishing for washpipe, backed off @ 1984'

5-3-76 3608' fishing for washpipe

5-4-76 3608' TD - Plugged and Abandoned (unable to recover washpipe, drillpipe and collars. Rig released at 7:00 A.M. 5-4-76

FINAL REPORT

8. I hereby certify that the foregoing is true and correct.

Signed W. J. Talbot Title Chief Geologist Date 5-5-76

Permit No. 659

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File Two Copies
Form No. 23

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Webb Resources, Inc.
 2. OIL WELL GAS WELL OTHER (Specify) _____
 3. Well Name #8-1 NMAL
 Location SW NE Sec. 8-14N-20E 1981' FNL & 1876' FEL
 Sec. 8 Twp. 14N Rge. 20E County Navajo Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease New Mexico-Arizona Land Company
 5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	DIRECTIONAL DRILL	<input type="checkbox"/>	FRACTURE TREATMENT	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	PERFORATE CASING	<input type="checkbox"/>	SHOOTING OR ACIDIZING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>	MONTHLY PROGRESS	<input type="checkbox"/>
(OTHER)	<input type="checkbox"/>		(OTHER)	REPAIRING WELL	<input type="checkbox"/>
				ALTERING CASING	<input type="checkbox"/>
				ABANDONMENT	<input type="checkbox"/>
				Progress Report	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

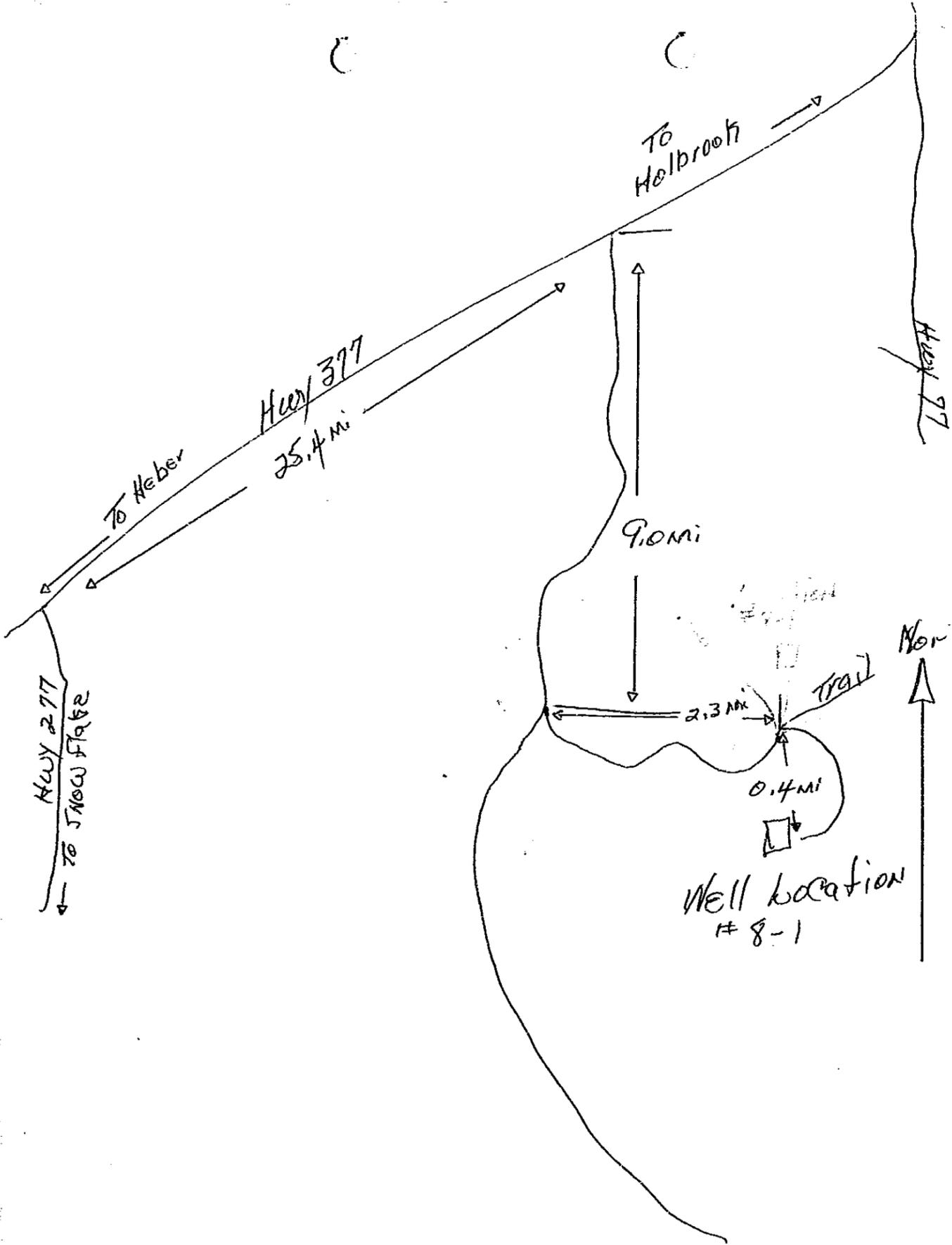
4-15-76 Spudded at 1:30 A.M. - 50' Drilling
 4-16-76 113' picking up new kelly (old kelly broke, fished and recovered bit, collars & part of kelly)
 4-17-76 250' reaming out of gauge hole
 4-18-76 515' trip out to run casing
 4-19-76 576' Drilling. Ran 17 jts used 7" 20# casing (504') cemented @ 511' KB w/ 200 sxs regular class "B" w/3% cc. Plug down at 9:30 A.M. 4-18-76
 4-20-76 1300' Drilling
 4-21-76 1740' Drilling Ft. Apache 1715' porosity but no shows, samples OK
 4-22-76 2365' Drilling
 4-23-76 2525' Drilling
 4-24-76 2770' Drilling
 4-25-76 3060' Drilling
 4-26-76 3280' Drilling
 4-27-76 3560' Drilling
 4-28-76 3608' Stuck @ 3471' / spotted 40 bbls diesel w/ 20 bbls pipe lax at 2:30 A.M.
 4-29-76 3608' Stuck @ 3471' (24 hrs - working stuck pipe and displacing oil and pipe lax)
 4-30-76 3608' Fishing for stuck drillpipe (worked pipe and displaced oil and pipe lax, ran free point, free at 2000', backed off drillpipe at 1978', ran 4 jts 6" OD washpipe - 113' w/jars and bumper sub. Now washing over drillpipe at 2038')

8. I hereby certify that the foregoing is true and correct.

Signed William A. Falconer Title Chief Geologist Date April 30, 1976
 William A. Falconer

Permit No. 659

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Two Copies
 Form No. 25



Webb Resources
NMA L # 8-1
Permit 659

SECTION _____
 DESIGNED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 JOB TITLE WEBB No. 5

JOHANNESSEN & GIRARD
 CONSULTING ENGINEERS INC.,
 PHOENIX, ARIZONA

JOB. NO. F036

ACCESS FROM SNOWFLAKE TO No 5
(WEBB 8-1)

<u>MILE</u>	<u>DESCRIPTION</u>
0.0	Leave Jet 77 & 277 in Snowflake. Drive West, on 277
0.3	Cross Silver Creek.
1.0	Cross RR Spur
5.1	Turn Right (North) on Dirt Road
5.3	Cross RR Spur
5.4	Cross Wash
6.3	Cross RR Spur
6.9	Cross Cattleguard (No Trespassing sign)
9.7	" "
10.6	Cross Wash
11.7	Cross Cattleguard
12.5	Drive between Ranch House, barns & corral; cross Cattleguard ("Rocking Chair Ranch" on Quadrangle)
12.9	Ranch House on Rt.
13.0	Cross Cattleguard (at gate)
13.6	" "
14.7	Road forks - take right fork (to North)
16.2	Turn Right (East) on Dirt Trail
17.2	Turn Right (South) on Dirt Trail
18.2	Turn Right (West) Cross-Pasture 1/2 mile to Well-Site.

SECTION _____
 DESIGNED BY _____ DATE _____
 CHECKED BY _____ DATE _____
 JOB TITLE WEBB No 5

JOHANNESSEN & GIRARD
 CONSULTING ENGINEERS INC.,
 PHOENIX, ARIZONA 
 JOB. NO. F036

ACCESS FROM HOLBROOK TO No 5
(WEBB 8-1)

<u>Mile</u>	<u>Description</u>
0.0	Jct 77 & 377 (South of Holbrook by new County complex) Drive SW on 377.
0.3	RR X-ing
3.8	Cross Cattleguard
4.7	" "
6.1	" "
7.2	" "
9.2	Turn left (south) on gravel road. (Note: This is just southwest of Milepost 26).
10.0	Cross Cattleguard
13.3	" "
15.8	Cross Wash
17.3	Cross Cattleguard
17.9	Turn left (east) on Dirt Trail
19.0	Turn right (south) on Dirt Trail
20.1	Turn right (west) Cross-Country. $\frac{1}{2}$ mile to Well-site.

JOHANNESSEN & GILAND
 Consulting Engineers, Inc.
 223 North Leroux
 Flagstaff, Arizona 86001
 Phone (602) 779-0388

Letter
 LETTER OF TRANSMITTAL

DATE	4/9/76	JOB NO.	F045
ATTENTION	Gus Falconer, Project Supervisor		
RE:	Webb No. 8-1		

TO Webb Resources, Inc.
First of Denver Plaza Building
633 Seventeenth Street
Denver, Colorado 80202

GENTLEMEN:

WE ARE SENDING YOU Attached Under separate cover via _____ the following items:
 Shop drawings Prints Plans Samples Specifications
 Copy of letter Change order Mileage Log

COPIES	DATE	NO.	DESCRIPTION
7	4/76		Results of Survey Map
3			Mileage log to well site (from Holbrook and from Snowflake)

THESE ARE TRANSMITTED as checked below:

- For approval Approved as submitted Resubmit _____ copies for approval
- For your use Approved as noted Submit _____ copies for distribution
- As requested Returned for corrections Return _____ corrected prints
- For review and comment _____
- FOR BIDS DUE _____ 19 _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS

PLEASE NOTE:
DISTANCE FROM NORTH LINE
OF SECTION 8 IS CHANGED TO 1,981'
AS A RESULT OF FINAL CHECKING
PLEASE CHANGE YOUR RECORDS

COPY TO _____

SIGNED: *E. D. Walker*

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

WEBB RESOURCES, INC.
NAME OF COMPANY OR OPERATOR

2200 First of Denver Plaza **Denver** **Colorado 80202**
Address City State

Drilling Contractor
Webb Drilling Company
Address **Same as Above**

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor NMAL	Well number 8-1	Elevation (ground)
Nearst distance from proposed location to property or lease line: 1954' feet	Distance from proposed location to nearest drilling completed or applied--for well on the same lease: NA feet	
Number of acres in lease: 640	Number of wells on lease, including this well, completed in or drilling to this reservoir: 1	
If lease, purchased with one or more wells drilled, from whom purchased: NA	Name	Address
Well location (give footage from section lines) 1954' FNL & 1876' FEL	Section--township--range or block and survey 8 - T14N-R20E	Dedication (Comply with Rule 105) S/2 NE/4
Field and reservoir (if wildcat, so state) wildcat	County Navajo	
Distance, in miles, and direction from nearest town or post office		

Proposed depth: 4500	Rotary or cable tools Rotary	Approx. date work will start upon approval
Bond Status Blanket Amount \$25,000	Organization Report On file <input checked="" type="checkbox"/> Or attached	Filing Fee of \$25.00 Attached <input checked="" type="checkbox"/>

Remarks:
Survey Plat will be sent by surveyor under separate cover

TIGHT HOLE

RECEIVED
APR 12 1976
O & G CONS. COMM.

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Chief Geologist of the Webb Resources, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

William A. Falconer
Signature **William A. Falconer**

Date **April 8, 1976**

Permit Number: **659**
Approval Date: **4-13-76**
Approved By: *W. A. Falconer*

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

Form No. 3

(Complete Reverse Side)

- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO _____
- If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES _____ NO _____. If answer is "yes," Type of Consolidation _____
- If the answer to question four is "no," list all the owners and their respective interests below:

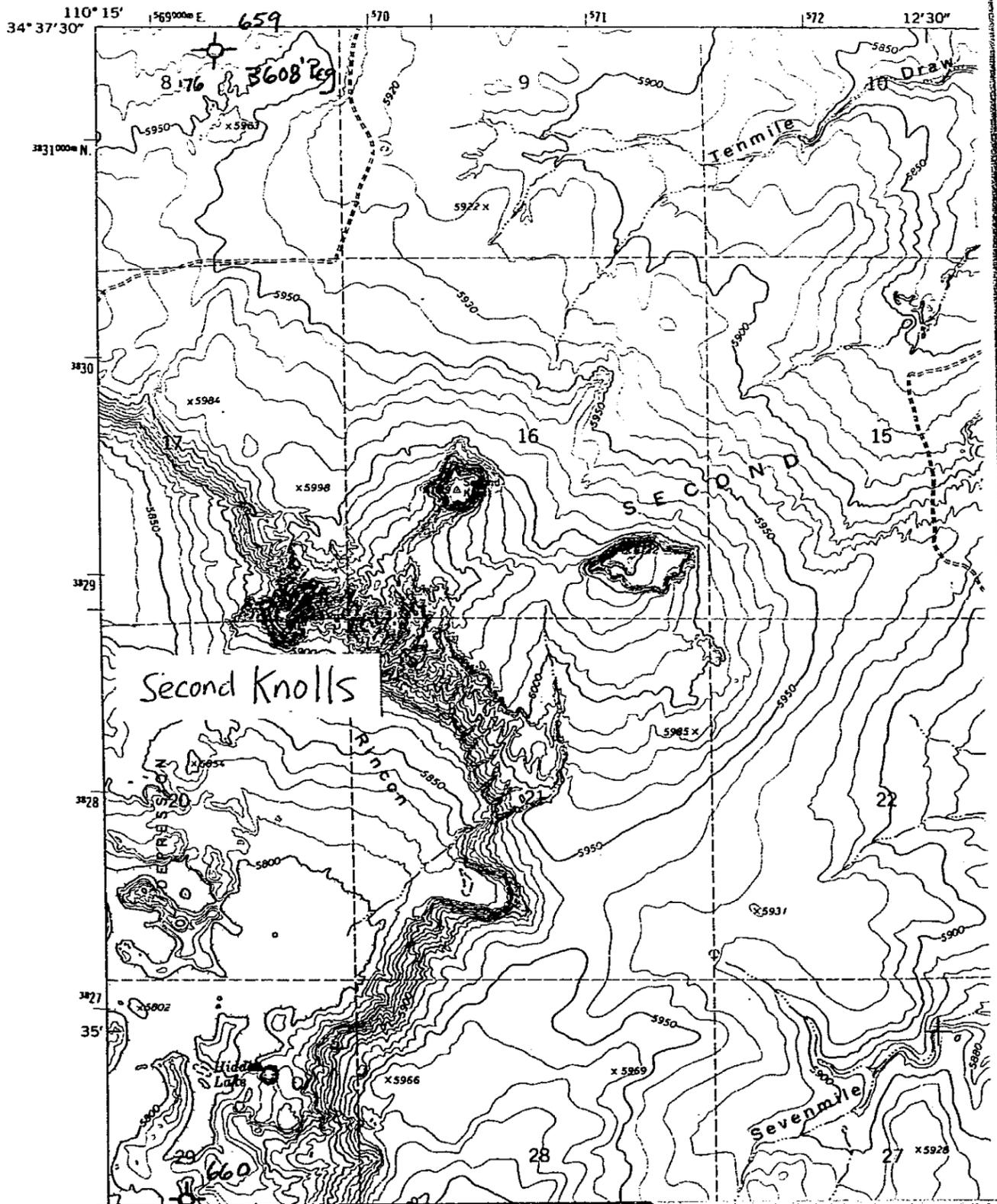
Owner	Land Description
	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p><u>William A. Falconer</u> Name</p> <p><u>Chief Geologist</u> Position</p> <p><u>Webb Resources, Inc.</u> Company</p> <p><u>April 8, 1976</u> Date</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed _____</p> <p>Registered Professional Engineer and/or Land Surveyor _____</p> <p>Certificate No. _____</p>

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
13-3/8"	48#	K-55 ST&C	0	100	100' to surf	100
8-5/8"	24#	K-55 ST&C	0	700	700' to surf	700
5-1/2"	15.5#	K-55 ST&C	0	4500	4500' cover pay zones	200

3953 111 NE
(DRY LAKE NE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Scale 1" = 1000'

BASIS OF BEARINGS
 806. N 89°27'00"E, 10,503.71'
 Rec. N 89°27'E, 10,643.16'

NE Cor Sec. 5 Fnd.
 broken Sandstone w/ 6 notches on one face

NW Cor. Sec 6
 Fnd. BLM B/C and Orig.
 Sandstone w/ 6 notches
 on each face.

NW Cor. Sec 5
 Not Fnd.

Meas. N 022°39'E, 5179.55'
 Rec. N 0°06'E, 5299.80'

NE Cor Sec 8
 Fnd new & rotten 4"x4"
 wooden posts w/ remains
 of pits NE & NW

Meas. N 88°44'00"E, 5242.47'
 Rec. N 89°46'E, 5292.54'

Note: Record data for
 North lines of Sections
 5 & 6 is from F.B. 1314,
 BLM. All other record
 data is from F.B. 164,
 BLM.

Note: Ground elevation
 of well site is based on
 spot elevations shown
 on USGS quadrangle
 "Dry Lake NE" in Sec. 6

NW Cor. Sec. 8
 Fnd un-marked sandstone
 approx. 10' north of inters.
 of old fences lines N & W.
 No other stones in vicinity

N 1/2 Cor. Sec 8
 Not Fnd.

1876
 WELL-SITE
 Set 2" rebar
 Grnd. Elev. = 5930

Meas. N 1°33'48"E, 5097.32'
 Rec. North, 5280'

W 1/2 Cor. Sec 8
 Not Fnd.

E 1/2 Cor. Sec 8
 Not Fnd.

Meas. N 1°15'43"E, 5314.38'
 Rec. North, 5280'

SW Cor. Sec 8
 Fnd. Mnd. of stones
 w/ old 4" dia. post in
 approx. center

S 1/2 Cor. Sec 8
 Not Fnd.

Apparent
 SE Cor. Sec 8
 Fnd. inters. of
 fences running
 E, W, S & NE
 No other evidence

Meas. N 88°14'21"W, 5264.05'
 Rec. S 89°28'W, 5281.98'



JOHANNESSEN & GIRARD
 CONSULTING ENGINEERS INC.
 223 NORTH LEROUX
 FLAGSTAFF ARIZONA
 (602) 779-0388

Apr. 1976 J&G No. F045

RESULTS OF SURVEY
WEBB NO. 8-1
 Well Located in the S 1/2 NE 1/4 Sec 8,
 T. 14N., R. 20E., G. & S.R.B. & M.
 Navajo County, Arizona



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: WEBB RESOURCES, INC.
(OPERATOR)

to drill a well to be known as

WEBB RESOURCES, INC., NEW MEXICO-ARIZONA LAND CO. WELL No. 8-1
(WELL NAME)

located 1954' FNL & 1876' FEL

Section 8 Township 14N Range 20E, Navajo County, Arizona.

The S/2 NE/4 Sec. 8, T14N, R20E of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 12 day of April, 19 76.

OIL AND GAS CONSERVATION COMMISSION
By W.B. [Signature]
EXECUTIVE SECRETARY

PERMIT No. **659**
SAMPLES ARE REQUIRED

RECEIPT NO. 0637
02-017-20016

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

MEMO

webb

resources, inc.

633 17th Street • Suite 2200
Denver, Colorado 80202

TO: Arizona Oil & Gas Commission 8686 North Central Suite 106 Phoenix, Arizona 85020	ATTN: Mr. Bill Allen
FROM: William A. Falconer, Exploration Manager	DATE: December 2, 1976
SUBJECT: Seven Well Program - Apache & Navajo Counties Arizona	REF:

Enclosed for your files on the wells listed below please find copies of the revised Geological Report. This should complete your files. Thank you.

- a) #30-1 NMAL
- b) #25-1 NMAL
- c) #36-1 State
- d) #6-1 NMAL
- e) #8-1 NMAL
- f) #29-1 Rocking Chair Ranch
- g) #30-1 NMAL-Snowflake

RECEIVED
ARIZONA OIL & GAS COMMISSION

SIGNED

Wm. A. Falconer



OFFICE OF
Oil and Gas Conservation Commission

STATE OF ARIZONA
4515 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013
PHONE: (602) 271-5161

October 12, 1976

Petro-Wells Libraries, Inc.
2665 S. Santa Fe Drive
Denver, Colorado 80223

Attention: Cheri Burns

Gentlemen:

Enclosed is information on the following wells:

Permit No. 657 - State 36-1
NE/SE Sec. 36-T19N-R17E
Comp. Densilog, Acoustilog, Dual Induction, Geological
Report, Misc. Well Forms, Mud Log

Permit 658 - NMAL-6-1
NE/SE Sec. 6-T14N-R22E
Mud Log, Acoustilog, Dual Laterolog, Geological Report,
Misc. Well Forms

Permit 659 - NMAL-8-1
SW/NE Sec. 8-T14N-R20E
Mud Log, Geological Report, Misc. Well Forms

Permit 660 - Rocking Chair Ranch #29-1
NW/SE Sec. 29-T14N-R20E
Dual Laterolog, Sonic, Neutron-Formation Density, Mud
Log, Geological Report, Misc. Well Forms

Permit 662 - Snowflake #30-1
SW/NW Sec. 30-T14N-R21E
Sonic, Dual Laterolog, Mud Log, Geological Report, Misc.
Well Forms

Out of Date Film.

Very truly yours,

William E. Allen
Director
Enforcement Section

WEA/vb

RECEIVED

AUG 30 1976

O & G CONS. COMM.

webb resources, inc.

First of Denver Plaza • Suite 2200 • 833-17th Street • Denver, Colorado 80202 • 303/892-5504

August 18, 1976

Mr. Jack Conley
Oil & Gas Conservation Commission
State of Arizona
8686 North Central, Suite 106
Phoenix, Arizona 85020

Jack
Dear Mr. Conley:

This is to advise that all data on all seven wells drilled by Webb Resources in Arizona is hereby released from confidential status. Also, Warren Carr will be in touch with Dr. Pierce concerning samples on the 30-1 well. Finally, I'd like to have a look at your maps when convenient for you. I'll call you when next in Phoenix.

Very truly yours,

WEBB RESOURCES, INC.

WAF
William A. Falconer
Chief Geologist

WAF:srl

cc: Mr. Warren Carr
P. O. Box 32436
Oklahoma City, OK 74132

MEMO

webb

resources, inc.

1776 KINGDEN STREET
DENVER, COLORADO 80203

TO:

Arizona Oil & Gas Commission
8686 North Central
Phoenix, Arizona 85020

ATTN:

Mr. Allen

FROM:

William A. Falconer, Chief Geologist

DATE:

May 27, 1976

SUBJECT:

#8-1 NMAL
SW NE Sec. 8-14N-20E
Navajo County, Arizona

REF:

Enclosed for your approval on the subject well please find the following:

1. Well Completion and Recompletion report
2. Geological Report

Please note that the Electric logs were not run on this well due to stuck washpipe, drillpipe and collars.

Thank you.

WAF:smb
enclosures

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JUN 01 1976

Q & G CONS. COMM.

SIGNED

William A. Falconer

Office of
OIL AND GAS CONSERVATION COMMISSION
8686 North Central Avenue
Suite 106
Phoenix, Arizona 85020

REFERENCE: *NIAAL #3 - Permit # 457 (Suite Sec. 8, T14N, R20E)*

Gentlemen:

Please submit the following report(s) as soon as possible:

- Organization Report
- Well Completion or Recompletion Report and Well Log
- Well Status Report and Gas-Oil Ratio Tests
- Reservoir Pressure Report
- Operator's Certificate of Compliance and Authorization to Transport Oil or Gas from Lease
- Application to Abandon and Plug
- Plugging Record
- Report of Injection Project
- Monthly Producers Report
- Gas Purchasers Monthly Report
- Producers Report of Gas Production
- Gasoline Plant or Pressure Maintenance Plant Monthly Report
- Transporters and Storers Monthly Report
- Sundry Notices and Reports on Wells
- Water Well Acceptance
- Other *Electric logs
Geological Report - Formation Tops*

W.E. Allen
WILLIAM E. ALLEN
Director, Enforcement
Section

5-26-76

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MAY 20 1976
O & G CONS. COMM.

webb resources, inc.

First of Denver Plaza • Suite 2200 • 633-17th Street • Denver, Colorado 80202 • 303/892-5504

May 18, 1976

Arizona Oil and Gas Commission
8686 North Central Suite 106
Phoenix, Arizona 85020

Attention: Mr. W. E. Allen
Director

Dear Mr. Allen:

Enclosed for your approval please find the following data for the wells listed below:

- #6-1 NMAL Final Sundry Notice
Application to Abandon and Plug
Plugging Record
- #8-1 NMAL..... Final Sundry Notice
Application to Abandon and Plug
Plugging Record
- #29-1 Rocking Chair.... Sundry Notice
Ranch

Geological Reports and Webb Well Completion Reports will be filed under separate cover.

Yours truly,

WEBB RESOURCES, INC.

Sandee Booton

Sandee Booton
Geological Secretary



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

1451 NORTH 7TH AVE.
PHOENIX, ARIZONA 85013

8686 N. CENTRAL, SUITE 106
PHOENIX, ARIZONA 85020

PHONE: (602) 271-5161

May 12, 1976

Mr. Jim Webster
Photogrammetry & Mapping Services
Highway Division
Department of Transportation
1739 W. Jackson, Room 61
Phx., AZ 85007

Dear Mr. Webster:

This is to advise you that the following wells have been spudded:

Webb Resources, Inc. NMAL #8-1
SW/NE, Sec 8, T14N, R20E, Navajo County
Permit #659
Spudded 4-15-76

Webb Resources, Inc. Rocking Chair Ranch #29-1
NW/SE, Sec 29, T14N, R20E, Navajo County
Permit #660
Spudded 5-7-76

Thank you.

Very truly yours,

Saralee Lorenzo

sl

WA

webb resources, inc.

First of Denver Plaza • Suite 2200 • 633-17th Street • Denver, Colorado 80202 • 303/892-5504

April 19, 1976

Mr. W. E. Allen, Director
Enforcement Section
Oil & Gas Conservation Commission
State of Arizona
4515 North 7th Ave.
Phoenix, Arizona 85013

Dear Mr. Allen:

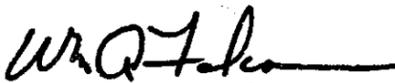
This letter is to request an additional six(6) months confidentiality period on the following wells drilled by Webb Resources, Inc. in Navajo and Apache Counties:

- (1) #30-1 NMAL NW SE 30-15N-25E TD: 4032'
- (2) #25-1 NMAL NE SE 25-20N-15E TD: 3797'
- (3) #36-1 State NE SE 36-19N-17E TD: 3806'
- (4) #6-1 NMAL NE SE 6-14N-22E TD: 3631'
- (5) #8-1 NMAL SW NE 8-14N-20E (drilling)

Thank you for your cooperation.

Very truly yours,

WEBB RESOURCES, INC.


William A. Falconer
Chief Geologist

WAF:srl

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O & G CONS. COMM.

MEMO

WAF

webb resources, inc.

First of Denver Plaza • 633 17th Street • Suite 2200
Denver, Colorado 80202

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80203

TO: Arizona Oil & Gas Commission 8686 North Central Phoenix, Arizona	ATTN: Mr. Allen
FROM: Gus Falconer, Chief Geologist	DATE: April 12, 1976
SUBJECT: #8-1 NMAL SW NE Sec. 8-14N-20E Navajo County, Arizona	REF:

Enclosed for your approval on the subject well please find the following:

1. Survey Plat
2. Mileage log to well site

Please note slight correction on survey from the North Line of Section 8.

WAF:smb
enclosure

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APR 14 1976
O & G CONS. COMM.

SIGNED

[Signature]

April 13, 1976

Mr. William A. Falconer
Webb Resources, Inc.
2200 First of Denver Plaza
Denver, CO 80202

Dear Mr. Falconer:

As you are aware, our rules and regulations grant a six (6) months confidentiality period when requested by the operator on wells drilled in Arizona.

The Commission may also grant an additional six (6) months confidentiality when requested by the operator. This will bring the total confidential period to twelve (12) months.

If you so desire this additional six (6) months of confidentiality, please advise this Commission in writing of this desire.

Very truly yours,

W. E. Allen, Director
Enforcement Section

WEA/sl

MEMO

webb resources, inc.

First of Denver Plaza • 633 17th Street • Suite 2200
Denver, Colorado 80202

ET
D 80203

TO: Arizona Oil & Gas Commission 8686 North Central Avenue Suite 106 Phoenix, Arizona 85020	ATTN:
FROM: William A. Falconer, Chief Geologist	DATE: April 9, 1976
SUBJECT: #8-1 NMAL SW NE Sec. 8-14N-20E Navajo Co., Arizona	REF:

Enclosed for your approval on the subject well please find the following:

1. Application for Permit to Drill
2. Well Permit Fee: \$25.00

The Survey Plats will be sent under separate cover.

Thank you.

WAF:smb
enclosure

RECEIVED

APR 12 1976

O & G CONS. COMM.

SIGNED

William A. Falconer

P A Y E E: DETACH THIS STATEMENT BEFORE DEPOSITING CHECK

Webb Resources, Inc.

DATE	INVOICE NO.	DESCRIPTION	AMOUNT	DISCOUNT OR DEDUCTION	NET AMOUNT
4-8-76		Vo. #4-40-76	\$25.00		\$25.00
		Well Permit Fee #8-1 NMAL Navajo, Arizona X-705-15			859



OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

700 NORTH 7TH AVE.

PHOENIX, ARIZONA 85013

PHONE: (602) 271-5161

2005 N. CENTRAL, SUITE 106
PHOENIX, ARIZONA 85020

April 12, 1976

Mrs. Jo Ratcliff
Four Corners Sample Cut Association
P. O. Box 899
Farmington, New Mexico 87401

Dear Mrs. Ratcliffe:

The following permit was issued today:

Webb Resources, Inc., Well #8-1
1954' FNL & 1876' FEL
Sec. 8, T14N, R20E, Navajo County
Permit #659

Very truly yours,

Mrs. Saralee Lorenzo
Secretary

sl

April 12, 1976

Mr. William A. Falconer
Webb Resources, Inc.
2200 First of Denver plaza
Denver, Colorado 80202

RE: SW/NE Webb Resources, Inc. NMAL #8-1
Sec 8, T14N, R20E, Navajo County
Permit #659

Dear Mr. Falconer:

Enclosed please find your permit, receipt for your \$25
filing fee, approved copy of your application and the
forms necessary to keep us advised of your progress.

If we can be of further service, please advise.

Very truly yours,

Saralee Lorenzo (Mrs.)
Secretary

sl

Encls.